

Converting Colors

XYZ(16.8911, 19.5199, 39.4042)

Have a look what the booklet for
XYZ(16.8911, 19.5199, 39.4042)
contains.

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Color

**XYZ(16.9397, 19.5805,
39.4458)**

Conversions

Conversions Part 1

Format	Color
Hex	4081A7
RGB	64, 129, 167
RGB Percent	25%, 51%, 65%
CMY	0.7490, 0.4941, 0.3451
CMYK	0.62, 0.23, 0.00, 0.35
HSL	202°, 45%, 45%
HSV	202°, 62%, 65%
XYZ	16.9397, 19.5805, 39.4458
YIQ	113.8970, -50.9380, -1.9620

Conversions

Conversions Part 2

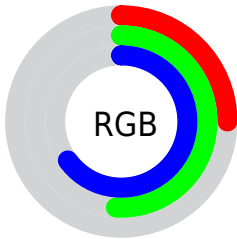
Format	Color
R _{YB}	64, 104, 167
Decimal	4227495
CIE _{Lab}	51.36, -8.96, -26.44
CIE _{LCh}	51, 27.916, 251.271
Y _{xy}	19.5805, 0.2230, 0.2578
Android (android.graphics.Color)	4282417575 (0xFF4081A7)
Y _{UV}	113.8970, 26.1798, -43.7597
Hunter-Lab	44.2499, -9.1040, -21.8782

Details

The XYZ color **16.9397, 19.5805, 39.4458** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **21.6140, 18.0897, 7.2039**, and the grayscale version is **15.8991, 16.7271, 18.2158**.

A 20% lighter version of the original color is **37.7979, 42.7948, 75.3753**, and **5.9632, 6.9751, 17.2517** is the 20% darker color. If you saturate the color by 10%, you get **15.2247, 17.5280, 39.1404**, and if you desaturate by 10%, it is **19.0301, 21.8999, 39.7837**.

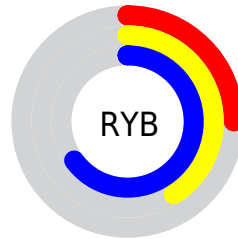
Distribution



Red (25%)

Green (51%)

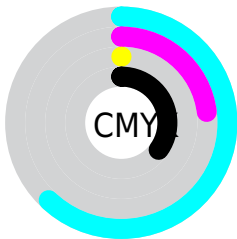
Blue (65%)



Red (25%)

Yellow (41%)

Blue (65%)

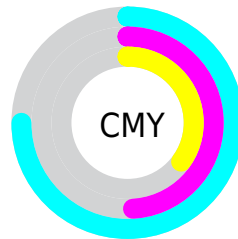


Cyan (62%)

Magenta (23%)

Yellow (0%)

Black (35%)



Cyan (75%)

Magenta (49%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9397, 19.5805, 39.4458 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 16.9397, 19.5805, 39.4458 by changing the saturation by 10% instead.

■ 16.9397, 19.5805,
39.4458

■ 16.9397, 19.5805,
39.4458

■ 227.9877,
249.6350, 359.2645

■ 10.2865, 12.0905,
26.7962

■ 37.7665, 42.7127,
75.5467

■ 5.6531, 6.8053,
17.1891

■ 52.6708, 59.1237,
99.8351

■ 2.6739, 3.3407,
10.2061

■ 71.0563, 79.2772,
128.8401

■ 0.9838, 1.3121,
5.4284

■ 93.2882, 103.5575,
162.9804

■ 0.0000, 0.1505,
2.4377

■ 119.7320,
132.3490, 202.6744

■ 0.0000, 0.0000,
0.8068

150.7529,

■ 0.0000, 0.0000,

166.0362, 248.3408

0.0000

186.7163,
205.0034, 300.3980

■ 16.9397, 19.5805,
39.4458

■ 16.9397, 19.5805,
39.4458

■ 15.2247, 17.5280,
39.1404

■ 19.0301, 21.8999,
39.7837

■ 13.8523, 15.7231,
38.8644

■ 21.5211, 24.4994,
40.1542

■ 12.7867, 14.1465,
38.6162

■ 24.4379, 27.3935,
40.5590

■ 12.0662, 12.9722,
38.4275

■ 27.8028, 30.5948,
40.9996

■ 31.6365, 34.1154,
41.4771

■ 35.9585, 37.9661,
41.9926

■ 40.7869, 42.1577,
42.5471

■ 46.1391, 46.6999,
43.1418

■ 52.0314, 51.6024,
43.7775

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



14.8605, 19.5805, 33.1539



16.9397, 19.5805, 39.4458



19.6798, 19.5805, 40.2309

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.9397, 19.5805, 39.4458



24.3873, 19.5805, 18.4539



15.2895, 19.5805, 11.7267

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



16.9397, 19.5805, 39.4458



21.6140, 18.0897, 7.2039

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



17.5810, 19.5805, 9.5173



16.9397, 19.5805, 39.4458



22.9439, 19.5805, 12.7017

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



16.9397, 19.5805, 39.4458



24.1716, 19.5805, 26.6470



20.3881, 19.5805, 9.8228



13.9756, 19.5805, 16.7546

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



16.9397, 19.5805, 39.4458



21.5386, 19.5805, 37.3449



20.3881, 19.5805, 9.8228



15.9609, 19.5805, 10.6942

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



16.9404, 19.5812, 39.4463



51.3152, 56.2095, 73.6202



18.3206, 29.6827, 17.2747



11.0806, 12.2037, 16.4237



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.9404, 19.5812, 39.4463



26.2969, 30.1561, 69.9100



11.7958, 9.2920, 37.7314



7.5114, 8.0597, 9.5781



9.2810, 10.0223, 29.4208



0.2722, 0.3366, 0.7313

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.7328, 13.4681, 22.2236



36.1073, 20.0303, 34.1186



28.2973, 31.4562, 9.4317



7.7227, 7.6190, 8.8571



14.1852, 7.0828, 11.0529



0.3685, 0.1817, 0.3922

Previews

White Background



This preview shows how the XYZ color 16.9397, 19.5805, 39.4458 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 16.9397, 19.5805, 39.4458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

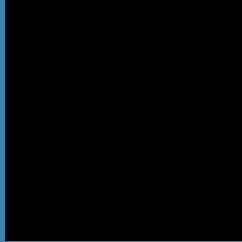
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9397, 19.5805, 39.4458

Background



This preview shows how black text looks on a background with the XYZ color 16.9397, 19.5805, 39.4458.

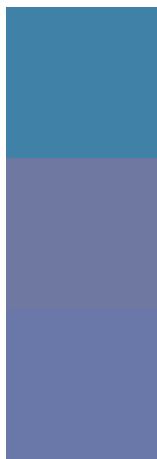


This preview shows how white text looks on a background with the XYZ color 16.9397, 19.5805,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

16.9397, 19.5805, 39.4458

Protanopia

19.6172, 19.3505, 35.9588

Deuteranopia

19.8218, 19.3617, 40.2286



Tritanopia

14.8898, 19.5456, 29.3735

Trichromacy



Original Color

16.9397, 19.5805, 39.4458

Protanomaly

18.3099, 19.1899, 37.3893

Deuteranomaly

18.4652, 19.2172, 39.7819

Tritanomaly

15.6061, 19.6394, 32.6740

Monochromacy



Original Color

16.9397, 19.5805, 39.4458

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.6543, 17.3739, 24.7187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9397, 19.5805, 39.4458 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(64, 129, 167)` looks like.

```
.text, #text, p{  
    color:rgb(64, 129, 167)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(64, 129, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 129, 167) }
```

Border

The CSS property to change the border of an element to XYZ 16.9397, 19.5805, 39.4458 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(64, 129, 167) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(64, 129, 167) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(64, 129, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 129, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 129, 167);  
box-shadow:4px 4px 4px 4px rgb(64, 129,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9397, 19.5805, 39.4458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 129, 167) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(64, 129,  
167) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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